

1. [+ Whole Numbers to 10]

| | | | | | | | | | | |
|-----|---|---|---|---|----|---|---|---|---|---|
| | 4 | 2 | 6 | 9 | 10 | 3 | 7 | 1 | 8 | 5 |
| + 6 | | | | | | | | | | |

2. [- Whole Numbers to 10]

| | | | | | | | | | | |
|-----|----|----|---|----|---|---|----|---|----|----|
| | 13 | 15 | 6 | 14 | 7 | 9 | 11 | 8 | 10 | 12 |
| - 5 | | | | | | | | | | |

3. [× Whole Numbers to 12]

| | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|----|
| | 2 | 8 | 1 | 4 | 5 | 7 | 6 | 9 | 3 | 10 |
| × 2 | | | | | | | | | | |

4. [÷ Whole Numbers to 12]

| | | | | | | | | | | |
|-----|----|----|----|----|----|----|---|----|----|----|
| | 15 | 27 | 12 | 30 | 24 | 18 | 9 | 21 | 36 | 33 |
| ÷ 3 | | | | | | | | | | |

5. [Large Number +, -]

| |
|-----------|
| 8 1 9 7 |
| - 1 0 3 2 |
| |

10. [Fraction ×, ÷] *

$$7 \times \frac{2}{5} =$$

16. [Order of Operation]

$$24 \div 3 \times 4 =$$

6. [Large Number ×, ÷]

$$\frac{57\,000}{100} =$$

11. [Percentages]


Write as a percentage:
23 out of 100.

17. [Exploring Number]

4075 > 4507
True or false?

12. [Decimals / Fractions / Percentages]

What percentage of the shape is shaded?



18. [Multiples / Factors / Primes] *

List the common multiples of 2 and 4 up to 20.

7. [Decimal +, -]

| |
|---------|
| 4.2 6 |
| + 1.3 8 |
| |

13. [Integers]

Which insect can endure the lowest temperature?

A) -24°C cucujus beetle
B) -51°C gall wasp larvae
C) -10°C stink bug
D) -184°C red flat bark beetle

19. [Number Patterns]

Complete the pattern:
2, 10, 18, 26, 34, ,

8. [Decimal ×, ÷]

| |
|-----|
| 0.3 |
| × 6 |
| |

14. [Rates / Ratios]

Simplify the ratio 5 : 90

20. [Expressions]

Simplify
 $r + r + r + r + r$

9. [Fraction +, -]

$$\frac{3}{8} + \frac{4}{8} =$$

15. [Indices / Square Roots]

Write the product as a power:
 $3 \times 3 \times 3 \times 3 \times 3 =$

21. [Substitution] *

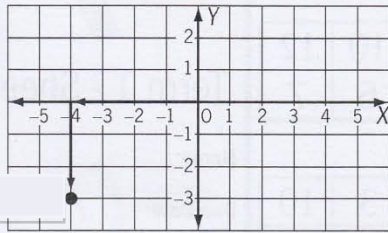
If $p = 9$, find the value of $p + p - 5$

22. [Equations]

$$\boxed{} + 13 = 23$$

23. [Coordinates]

Start at the origin. Move 4 units to the left along the x -axis and then down 3 units. Plot a point. What are the coordinates of the point?

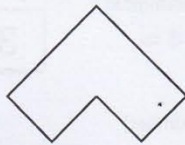


24. [Units of Measurement / Time] *

3 days = hours

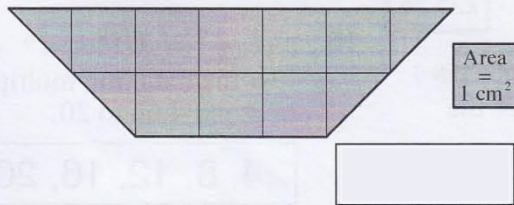
25. [Perimeter] *

Use a ruler to find the perimeter of the polygon in centimetres.



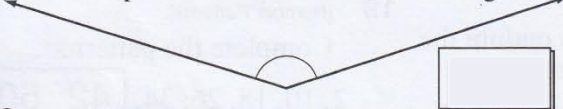
26. [Area / Volume]

Find the area of the trapezium.



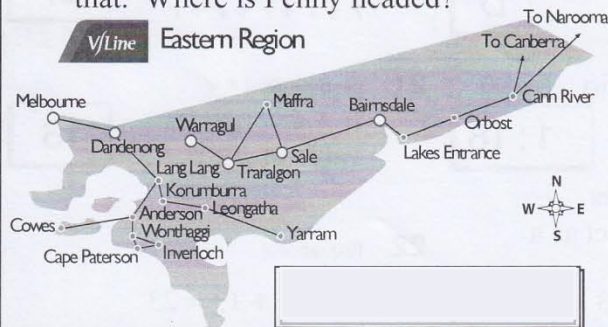
27. [Shapes]

Use a protractor to measure this angle.



28. [Exploring Geometry]

Penny travels southeast from Dandenong. Her bus turns right at the next town and right at the town after that. Where is Penny headed?

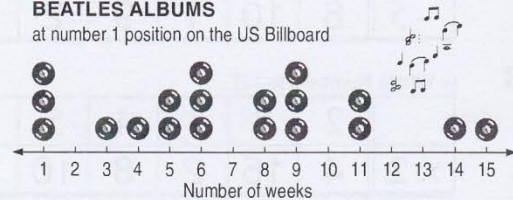


29. [Statistics]

'Sgt. Pepper's Lonely Hearts Club Band' was The Beatles album that held the number one position on the US Billboard for the longest period of time. For how long was this album at number one?

BEATLES ALBUMS

at number 1 position on the US Billboard



30. [Probability]

Tom has 6 blue discs and 12 red discs in his pocket. How many discs does he need to take out of his pocket to make sure he has 4 blue discs?

31. [Problem Solving 1] *

Each shape represents a different whole number. What are the values of

▲ and ■?

$$\begin{aligned} \triangle + \triangle + \square &= 23 \\ \triangle \times \square &= 60 \end{aligned}$$

$$\triangle = \square =$$

32. [Problem Solving 2] *

Four students ran in the 800 m race:

- Martina finished 2 m ahead of Ling
- Yina finished ahead of Tanya
- Tanya was 2 m ahead of Martina

Who won the race?

33. [Problem Solving 3]

Fill in the missing digits.

$$\begin{array}{r} 1 \square 2 \\ \square 4 \square \\ + 971 \\ \hline 2 \square 38 \end{array}$$